

Recombinant Human TRAF6 protein ab132023

1 Image

Description

Product name	Recombinant Human TRAF6 protein		
Expression system	Wheat germ		
Accession	<u>Q9Y4K3</u>		
Protein length	Full length protein		
Animal free	No		
Nature	Recombinant		
Species	Human		
Sequence	MSLLNCENSCGFSQSESDCCVAMASSCSAVTKDDSVG GTASTGNLSSSF EEIQGYDVEFDPPLESKYECPICLMALREAVQTPCGHRFC KACIIKSIRD AGHKCPVDNEILLENQLFPDNFAKREILSLMVKCPNEGCL HKMELRHLED HQAHCCEFALMDCPQCQRPFQKFHINIHLKDCPRRQVSCD NCAASMAFED KEIHDQNCPLANVICEYCNTILIREQMPNHYDLDCPTAPIPC TFSTFGCH EKMQRNHLARHLQENTQSHMRMLAQAVHSLSVIPDSGYIS EVRNFQETIH QLEGRLVRQDHQIRELTAKMETQSMYVSELKRTIRTLEDK VAEIEAQQCN GMWKIGNFGMHLKCQEEEEKPVVIHSPGFYTGKPGYKLCM RLHLQLPTA QRCANYISLFVHTMQGEYDShLPWPFQGTIRLTILDQSEAP VRQNHEEIM DAKPELLAFQRPTIPRNPKGFGYVTFMHLEALRQRTFIKDD TLLVRCEVS TRFDMGSLRREGFQPRSTDAGV		
Predicted molecular weight	86 kDa		
Amino acids	1 to 522		
Tags	GST tag N-Terminus		

Specifications

Our **Abpromise guarantee** covers the use of **ab132023** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
	ELISA
	Western blot
<b>Form</b>	Liquid

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## Preparation and Storage

<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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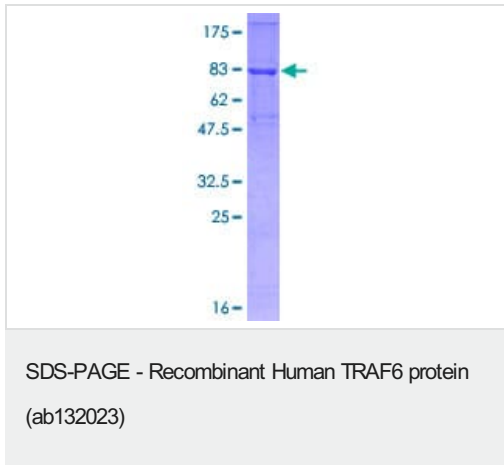
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## General Info

<b>Function</b>	E3 ubiquitin ligase that, together with UBE2N and UBE2V1, mediates the synthesis of 'Lys-63'-linked-polyubiquitin chains conjugated to proteins, such as IKBKG, AKT1 and AKT2. Also mediates ubiquitination of free/unanchored polyubiquitin chain that leads to MAP3K7 activation. Leads to the activation of NF-kappa-B and JUN. May be essential for the formation of functional osteoclasts. Seems to also play a role in dendritic cells (DCs) maturation and/or activation. Represses c-Myb-mediated transactivation, in B lymphocytes. Adapter protein that seems to play a role in signal transduction initiated via TNF receptor, IL-1 receptor and IL-17 receptor.
<b>Tissue specificity</b>	Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.
<b>Pathway</b>	Protein modification; protein ubiquitination.
<b>Sequence similarities</b>	Belongs to the TNF receptor-associated factor family. A subfamily. Contains 1 MATH domain. Contains 1 RING-type zinc finger. Contains 2 TRAF-type zinc fingers.
<b>Domain</b>	The coiled coil domain mediates homo- and hetero-oligomerization. The MATH/TRAF domain binds to receptor cytoplasmic domains.
<b>Post-translational modifications</b>	Sumoylated on Lys-124, Lys-142 and Lys-453 by SUMO1. Polyubiquitinated on Lys-124; after cell stimulation with IL-1-beta or TGF-beta. This ligand-induced cell stimulation leads to dimerization/oligomerization of TRAF6 molecules, followed by auto-ubiquitination which involves UBE2N and UBE2V1 and leads to TRAF6 activation. This 'Lys-63' site-specific poly-ubiquitination appears to be associated with the activation of signaling molecules. Endogenous autoubiquitination occurs only for the cytoplasmic form.
<b>Cellular localization</b>	Cytoplasm. Cytoplasm > cell cortex. Nucleus. Found in the nuclei of some aggressive B-cell lymphoma cell lines as well as in the nuclei of both resting and activated T-and B-lymphocytes. Found in punctate nuclear body protein complexes. Ubiquitination may occur in the cytoplasm and sumoylation in the nucleus.

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## Images



12.5% SDS-PAGE stained with Coomassie Blue showing ab132023 at approximately 86 kDa.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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